

21365

187530

S/126/61/011/004/014/023
E111/E435

AUTHORS: Gerasimov, A.F., Konev, V.N. and Timofeyeva, N.F.

TITLE: Investigation of Reaction Diffusion in "Metal-Complex Gas" Systems. VI. The System Tungsten-Carbon-Nitrogen

PERIODICAL: Fizika metallov i metallovedeniye, 1961, Vol.11, No.4,
pp.596-600

TEXT: This work deals with reaction diffusion in the systems W-C, W-N and W-C-N at temperatures up to 1200°C including kinetic studies of carbiding, nitriding and carbonitriding and X-ray determination of the phase composition of the products. It is a continuation of the work of these and other workers of the Arkharov school in this field (Ref.1-9). No such investigation on the W-C-N system has been reported. For W-C reaction diffusion was effected by previously described methods (Ref.8,16). The reaction with a paraffin-hydrogen atmosphere starts to become appreciable at 1000°C and, as do the other reactions studied, it follows the parabolic time law up to the maximum temperature (1200°C). The outer layer was found metallographically and by X-ray diffraction to consist of WC and the inner of W₂C. No texture in the first

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Investigation of Reaction ...

was found. The diffusion was uni-directional, from gas through scale to the metal. Reaction of tungsten with ammonia in a previously-described apparatus became appreciable at 1000°C, giving an outer layer of WN and an inner of W₂N. Additional experiments confirmed that the upper temperature limit for the existence of these phases in an ammonia atmosphere is 1100 to 1200°C. For the ternary system, the method was similar to that previously used (Ref.3,8). X-ray diffraction showed that the diffusion layer on tungsten annealed in a mixture of paraffin vapour and ammonia is again WC and W₂C; but the presence of nitrogen in the atmosphere (although carbon partial pressure is unchanged) retards carbon diffusion in tungsten. This is contrary to observations on Cr-C-N (Ref.3,4), Mo-C-N (Ref.8) and Fe-C-N (Ref.20) and is not explicable in terms of activation energies of diffusion for carbon and nitrogen. The authors conclude from their diffusion studies on W-C-N systems that there is preferential diffusion of nitrogen and carbon through reaction products in all these systems.

Professor V.I.Arkharov showed an interest in this work. There are 2 figures, 1 table and 20 references: 18 Soviet and 2 non-Soviet.

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Investigation of Reaction ...

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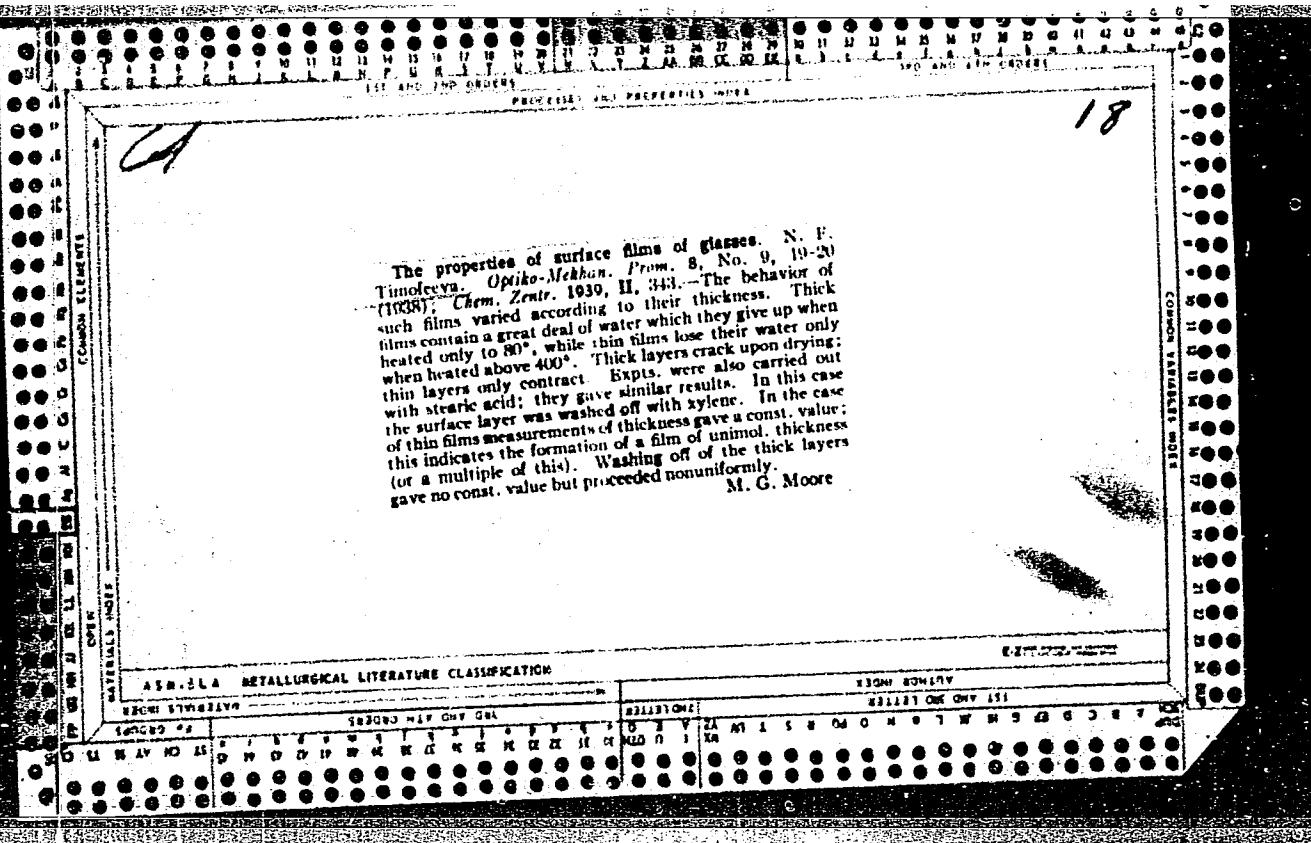
ASSOCIATION: Ural'skiy gosudarstvennyy universitet im. A.M.Gor'kogo
(Ural State University imeni A.M.Gor'kiy)

SUBMITTED: July 28, 1960

Card 3/3

The properties of surface films of glasses. N. F. Timofeeva. Opiko-Mekhan. Prom. 8, No. 9, 19-20 (1938). Chem. Zentr. 1939, II, 343. The behavior of such films varied according to their thickness. Thick films contain a great deal of water which they give up when heated only to 80° , while thin films lose their water only when heated above 400° . Thick layers crack upon drying; thin layers only contract. Expts. were also carried out with stearic acid; they gave similar results. In this case the surface layer was washed off with xylene. In the case of these films measurements of thickness gave a const. value; this indicates the formation of a film of unimol. thickness (or a multiple of this). Washing off of the thick layers gave no const. value but proceeded nonuniformly.

M. G. Moore



TIMOFEEVA, N.G.

Determination of barbiturates. Apt. deko 13 no.5:63-77 C-2 '61.
(41PA 16:3)

1. Tsentral'nyy aptechnyy nauchno-issledovatel'skiy institut,
Moskva.

SOV/137-58-7-16129

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 314 (USSR)

AUTHOR: Timofeyeva, N. G., Lyamina, T. P.

TITLE: Chromatographic Identification of Alloys (Khromatograficheskaya markirovka splavov)

PERIODICAL: Nauchn. raboty stud. Mosk. farmatsevt. in-ta, 1957, Nr 1,
pp 149-152

ABSTRACT: The identification of standard alloys used for the manufacturing of medical instrumentation was conducted with the aid of chromatography. Fe alloys are dissolved in a mixture of acids [3. 2 cc H₂SO₄ (1:1), 0. 8 cc H₃PO₄ (1. 61 sp. gr.) and 6 cc of water], oxidized with HNO₃, then diluted to 10 cc with water (pH 5). Into the column with Al₂O₃ (calcined at 850° for 3 hours; particle size <0. 3 mm) 0. 5 cc of the solution being tested and 0. 2 cc of each of the developers are poured. First the Ni is developed with 1% alcoholic solution of dimethylglyoxime, whereupon a pink band appears at the bottom of the column (in case of low contents the Ni band might appear only after three days). Then with a 0. 1-N solution of Pb(CH₃COO)₂ the Cr is developed, appearing as

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SOV/137-58-7-16129

Chromatographic Identification of Alloys

a yellow band located above the Ni band. The Fe is developed with a 10% solution of $K_4[Fe(CN)_6]$ obtaining above the Cr band a blue band and above that a dark blue band. Al is dissolved in a mixture of 0.5 cc HNO_3 (1:3); 1.5 cc HCl (sp gr 1.18) and 3.0 cc H_2SO_4 (1:3). Al is developed with the solution of alizarin C in concentrated H_2SO_4 or with 0.1% aqueous aluminate (I) solution. With concentrated H_2SO_4 aluminum produces a reddish-brown band in the Al_2O_3 column and with I a crimson band. The Fe band is located below the Al band.

N. G.

1. Alloys--Determination 2. Chromatographic analysis--Applications

Card 2/2

TIMOFEEVA, N.I.

Using lime-slag slurry. TSement 27 no.3:25 My-Je '61.(MIRA 14:7)

1. Leningradskiy tsementnyy zavod.
(Leningrad--Cement)

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755720017-6

TIMOFEEVA, N. I.

Timofeyeva, N. I. - "On the reactant ileitis," In the symposium: V. N. Shamov,
Kiev, 1949, p. 289-99

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949)

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755720017-6"

TIMOFEEVA, N.I., uchitel' nitsa

Familiarization of students with the electrochemical industry. Khim.
v shkole 15 no.5:35-40 S-O '60. (MIRA 13:10)

1. Srednyaya shkola No.50, g. Chelyabinsk.
(Electrochemistry, Industrial--Study and teaching)

TIMOFEEVA, N.I. (Moskva, Gogolevskiy bul'var, 8, kv. 36); KRONROD, B.A.

Penetration of a gastric ulcer into the left cardiac ventricle.
Grud. khir. 2 no. 3:100-102 My-Je '60. (MIRA 15:3)

1. Iz kafedry khirurgicheskikh bolezney (zav. - prof. P.L. Sel'tsovskiy) Moskovskogo meditsinskogo stomatologicheskogo instituta i patologoanatomicheskogo otdeleniya (zav. L.O. Paleyes) bol'nitey No. 33 imeni A.A. Ostroumova.
(STOMACH--ULCERS) (HEART--SURGERY)

L 10730-63/

EWP(q)/ENT(m)/BDS--AFFTC/ASD--JD/JG

ACCESSION NR: AP3002261

S/0089/63/014/006/0559/0562

55

AUTHOR: Portnoy, K. I.; Fadeyeva, V. I.; Timofeyeva, N. I.

TITLE: Polymorphism of some oxidizers of rare-earth elements and their interaction with water

SOURCE: Atomnaya energiya, v. 14, no. 6, 1963, 559-562

TOPIC TAGS: samarium, europium, gadolinium, polymorphism

ABSTRACT: Polymorphism of the oxidizers, samarium, europium and gadolinium is considered. The presence of two modifications of these oxidizers is established and the temperature of phase transformation is determined. It is shown that the activation of these oxidizers in relation to boiling water depends on their structure. Quantitative laws governing the solubility of the oxidizers in boiling water are introduced. Orig. art. has: 2 figures.

ASSOCIATION: none

SUBMITTED: 27Aug62

DATE ACQ: 12Jul63

ENCL: 00

SUB CODE: 00
Card 1/1TH/7C/

NO REF Sov: 001

OTHER: 004

L 13101-66 EWT(m)/EWP(t)/EWP(b)

LJP(c)

JD/JG

ACC NR: AP5025799

SOURCE CODE: UR/0363/65/001/009/1593/1597

AUTHOR: Portnoy, K. I.; Timofeyeva, N. I.

33

ORG: none

B

TITLE: Synthesis and properties of rare earth chromites

27

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 9,
1965, 1593-1597

TOPIC TAGS: rare earth, chromium compound, lutetium, lanthanum

ABSTRACT: The methods of synthesizing rare earth chromites were tested, and certain chromite physicochemical properties of practical interest were studied. Two methods were employed: synthesis by high temperature roasting of rare earth oxides and decomposition of volatile binary salts of chromium and of the rare earth element. It was found that thermal decomposition of nitrates in air at 1100-1200°K produces chromites of all the rare earth elements from lanthanum to lutetium. An exception is cerium chromite, the synthesis of which requires a reductive atmosphere. It is shown that all the chromites synthesized are refractory compounds

UDC: 546.65'763

Card 1/2

L 13101-66

ACC NR: AP5025799

of rare earth elements and display a much greater stability toward boiling water and chemical reagents (acids, alkalies, oxidants) than the sesquioxides. Orig. art. has: 3 tables.

0
SUB CODE: 07 / SUBM DATE: 09Apr65 / ORIG REF: 003 / OTH REF: 006

Card 292

L-10422-66 EWT(m)/EWP(t)/EWP(b) IJP(c) JD/JG
 ACC NR: AP6000286 SOURCE CODE: UR/0078/65/010/009/2041/2043

AUTHOR: Portnoy, K. I.; Timofeyeva, N. I.; Fadeyeva, V. I.

ORG: None

TITLE: Reactions of rare earth oxides with chromium

SOURCE: Zhurnal neorganicheskoy khimii, v. 10, no. 9, 1965, 2041-2043

TOPIC TAGS: chromium compound, europium compound, samarium compound, inorganic oxide, powder metal, sintering, phase diagram, metal analysis, rare earth element, reaction

ABSTRACT: Powdered Sm_2O_3 - Cr_2O_3 and Eu_2O_3 - Cr_2O_3 mixtures with various ratios of the components were pressed and sintered at 1073, 1273, 1473, and 1573K, and the products were studied by chemical and x-ray analyses. Phase diagrams of the two systems were plotted. The compound formed by Eu_2O_3 and Sm_2O_3 with chromic oxide has a rhombic structure with parameters $a = 5.38 \text{ \AA}$, $b = 5.51 \text{ \AA}$, $c = 7.64 \text{ \AA}$ for SmCrO_3 , and $a = 5.30 \text{ \AA}$, $b = 5.52 \text{ \AA}$, and $c = 7.60 \text{ \AA}$ for EuCrO_3 . Also studied were the systems $\text{Cr-Sm}_2\text{O}_3$ (Eu_2O_3).

The SmCrO_3 phase was formed under all conditions by the reaction of chromium metal with samarium oxide. The chromite content in samples sintered in hydrogen increases with the temperature and is independent of the composition of the mixture, probably because the formation of the chromite via reduction of Sm_2O_3 is much slower than the reaction of

UDC: 546.659-31+546.763-31+546.763'659-31

Card 1/2

L 10442-66

ACC NR: AP6000286

chromic oxide with samarium¹ oxide. In the case of europium oxide reacting with chromium,
europium chromite also was formed. Orig. art. has: 3 figures and 1 table.

SUB CODE: 074 SUBM DATE: 01Jan64 / OTH REF: 003

Card 2/2

L 13100-66 EWT(m)/EWP(t)/EWP(b)
ACC NR: AP5025800

IJP(c) JD/JG
SOURCE CODE: UR/0363/65/001/009/1598/1601

AUTHOR: Portnoy, K. I.; Timofeyeva, N. I.

25
B

ORG: none

TITLE: Synthesis and properties of rare earth monoaluminates

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 9,
1965, 1598-1601

TOPIC TAGS: aluminate, lanthanum compound, praseodymium compound, neodymium compound, samarium compound, europium compound, gadolinium compound, dysprosium compound, rare earth element

ABSTRACT: Monoaluminates (prepared on the basis of the thermal decomposition of nitrates) of lanthanum, praseodymium, neodymium, samarium, and europium at 1200°K, and monoaluminates of gadolinium and dysprosium at 1650°K were studied. Compounds obtained at 1200°K had a perovskite structure, as determined by x ray analysis, and elements with atomic numbers 64 to 71 formed compounds amorphous to x rays under these conditions. Cerium aluminate could not be obtained by roasting in air owing to the instability of cerium aluminate in an oxidizing medium. Chemical stability of the monoaluminates was studied in various acids, and

UDC: 546.65'623

Card 1/2

L 13100-66

ACC NR: AP5025800

found to increase with the roasting temperature: monoaluminates fired at 2000°K were very stable to mineral acids and alkalis, and their dissolution (for analytical purposes) required fusion with bisulfate. The aluminates were practically insoluble in water. Melting points were determined in argon with an optical pyrometer within ±50°. Orig. art. has: 3 tables.

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SUB CODE: 07/ SUBM DATE: 09Apr65/ ORIG REF: 006/ OTH REF: 003

Card 2/2

L 39569-66 EWT(m)/EWA(d)/EWP(t) IJP(c) JG/JD/GD
ACC NR: AP6009432

SOURCE CODE: UR/0075/66/021/003/0289/0291

AUTHOR: Tikhonova, A. A.; Timofeyeva, N. I.

13

3

ORG: None

TITLE: Determination of rare-earth elements with xylene orange

SOURCE: Zhurnal analiticheskoy khimii, v. 21, no. 3, 1966, 289-291

TOPIC TAGS: rare earth element, xylene, lanthanum, samarium, gadolinium alloy, nickel base alloy, chromium alloy, titanium base alloy, iron containing alloy, heat resistant alloy

ABSTRACT: The possibility of using xylene orange for the determination of La, Sm, Eu, Dy, Gd, and Er was investigated. Conditions for eliminating the effect of Cr, Ni, Ti, and Fe were established. Photometric (at 0.1% and less of rare earth elements) and titrimetric (at 1% and more of rare earth elements) methods with xylene orange can be used for the determination of rare earth elements in oxides, ceramic material, heat-resistant alloys, and other materials. Orig. art. has 2 figures and 2 tables. [Based on author's abstract] [NT]

UDC: 543.70

Card 1/2

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755720017-6

L 39569-66

ACC NR: AP6009432

SUB CODE: 07,11/
OTH REF: 002/

SUBM DATE: 17 Sep 64/ ORIG REF: 002/

Card

2/2 1/5

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755720017-6"

ALEKSEYEVA, A.M.; TIMOFEEVA, N.M.

Effect of physical exercise on creatinuria in children. Vop.med.
khim. 2 no.3:198-202 My-Je '56. (MIR 9:10)

1. Kafedra biokhimii i Leningradskogo meditsinskogo instituta imeni
I.P.Pavlova.

(CREATINE, in urine,
eff. of exercise in child. (Rus))

(URINE,
creatine, eff. of exercise in child. (Rus))

(EXERCISE, effects,
on creatinuria in child. (Rus))

ALEKSEYEVA, A.M.; TIMOFEEVA, N.M.

Creatine and creatine phosphate in the testes of various animals
[with summary in English]. Biokhimiia 22 no.6:976-980 N-D '57.
(MIRA 11:2)

1. Kafedra biokhimii I Leningradskogo meditsinskogo instituta
imeni I.P.Pavlova.

(TESTES, metabolism,

creatine & creatine phosphate in various animals (Rus))

(CREATINE, metabolism,

testes, in various animals (Rus))

(COENZYME,

phosphocreatine in testes in various animals (Rus))

ALEKSEYEV, A.M.; TIMOFEEV, N.M.

Modification of chemical composition of the testes during atrophy induced by ionizing radiations. Vop. med. khim. 5 no.1:48-53 Ja-F '59 (MIRA 12:3)

1. Chair of Biochemistry of the "I.P. Pavlov" I--st Leningrad Medical Institute.

(TESTES, eff. of radiations,
x-ray induced atrophy, metab. aspects (Rus))

(ROENTGEN RAYS, effects,
on testes, metab. aspects of induced atrophy (Rus))

TIMOFEEVA, N.M., TRACHENKO, A.V., ALYKULINA, A.N., PITUKOV, M.I.,

POKROVSKIY, YE.A., (USSR)

"Synthesis, Distribution and Accumulation of Creatine in Testes
of Various Animals."

Report presented at the 5th Int'l. Biochemistry Congress, Moscow,
10-15 Aug 1961.

ALEKSEYEVA, A.M.; TIMOFEEVA, N.M.

Changes in the chemical structure of the testes after the
action of ionizing radiations. Med.rad. no.7:54-58 '61.
(MIRA 15:1)
1. Iz kafedry biokhimii I Leningradskogo meditsinskogo instituta
imeni akad. I.P. Pavlova.
(TESTICEL--RADIOGRAPHY)

ASINOVSKAYA, G.A., Izhevsk; TROFIMENKA, N.M., Irkutsk.

Automatic gas welding cover flux of brand 162 brand, Trudy VNIIAvtogen
(MIRA 17:10)
no. 10-10-37 *64.

IYEZUITOVA, N.N.; TIMOFEEVA, N.M.; KOLDOVSKIY, O.K.; NURKS, Ya.Ya.;
UGOLEV, A.M.

Postnatal development of the enzymatic activity of the sur-
face of the small intestine in rats (invertase, peptidase,
lipase). Dokl. AN SSSR 154 no.4:990-993 F '64.
(MIRA 17:3)

1. Institut fiziologii im. I.P. Pavlova AN SSSR. Predstav-
leno akademikom A.I. Oparinym.

S/169/62/000/007/032/149
D228/D307

AUTHORS: Demidenko, Yu. B., Zabolotnyy, F. D., Raykher, B. A.,
Timofeyeva, N. M. and Turchanenko, N. T.

TITLE: Seismic exploration of the Ukraine's easterly re-
gions (Discourse theses)

PERIODICAL: Referativnyj zhurnal, Geofizika, no. 7, 1962, 23, ab-
stract 7A149 (V sb. Sostoyaniye i perspektivy razvi-
tiya geofiz. metodov poiskov i razvedki polezn. isko-
payemykh, M., Gostoptekhizdat, 1961, 299-300)

TEXT: The Dneprovsko-Donetskaya and the Prichernomorskaya Basins
are characterized by the fact that the basement and the sediment-
ary stratum have a block structure. The correlation-refraction
and reflection methods are being used in regional and detailed sur-
veys. In the detailed study of the block structure faults are being
traced, separate structural block are being distinguished, and the
reflecting boundaries within each block are being determined. Sec-
tions are being constructed from the records of reflected waves

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Seismic exploration of ...

S/169/62/000/007/032/149
D228/D307

by the t_o method in the case of gentle angles and by means of wave-front charts when the dip angles are above 20° . Abstracter's
note: Complete translation.

Card 2/2

TIMOFEYeva, N.M.

Study of tectonic disturbances using seismic methods. Geofiz.sbor.
no.2:84-92 '62. (MIRA 16:3)

1. Institut geofiziki AN UkrSSR.
(Ukraine—Seismic prospecting) (Ukraine—Geology, Structural)

KEYZER, S.A.; IVANOV, K.V.; TIMOFYEVA, N.M.; IL'YUTKIN, G.N.(Leningrad)

Some biochemical indices in experimental animals following the chronic
action of small doses of gamma irradiation. Med. rad. 9 no.1:57-60
Ja '64. (MIRA 17:9)

TIMOFEYAVA, Nonna Nikolayevna; YELIZAROV, K.N., redaktor

[Peaceful use of atomic energy; a bibliography for students in
classes 7-10] Mirnoe primenie atomnoi energii; rekomendatel'nyi
spisok literatury dlia uchashchikhsia 7-10 klassov. Leningrad,
1956. 24 p. (MLRA 9:7)

1. Leningrad. Publichnaya biblioteka.
(Bibliography--Atomic power)

SHOKIN, I.N.; YAKIMOTOVA, Ye.L.; TMOFEDOMA, N.N.

Cosolubility of KCl and NH₄Cl, NaCl and KCl, and NaCl and NH₄Cl
in water in the presence of NH₃ and CO₂. Trudy IZM no.35:24-
33 '61. (Izv. Akad. Nauk SSSR, Ser. Khim., No. 35, p. 24-33, 1961.)

(Alkali metal chlorides)
(Solubility)

SHOKIN, I.U.; YAKHONTOV, Ye.L.; TINOFEYeva, N.N.

Salting out of NH_4Cl and KCl in the batch process for the production of sodium carbonates and ammonium chloride or potazote. Trudy MKHTI no.35:19-23 '61. (MIRA 14:10)
v (Ammonium chloride)
(Potassium chloride)
(Sodium carbonate)

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755720017-6

SHOKIN, I.N.; YAKHONTOVA, Ye.L.; TIMOFEEYeva, N.N.

Study of the system NaCl - KCl - NH₄Cl - NH₃, CO₂, H₂O Trudy
MKHTI no.35:34-37 '61. (MIRA 14:10)
(Systems(Chemistry))
(Salts)

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755720017-6"

SHOKIN, I.I.; YANOVSKA, Ye.L.; TROFIMEN, N.N.

Kinetics of NH_4Cl and KCl crystallization during salting out
with sodium chloride. Trudy IKMFI no.35:30-42 '61.

(Alkali metal chlorides)
(Crystallization) (NIRA 14:10)

~~KOMAROV, V.A.; TIMOFEEVA, N.P.~~

~~KOMAROV, V.A.; TIMOFEEVA, N.P.~~

Interaction of metal oxides with alcohols. Part 4. Vanadium oxides
and isopropyl alcohol. Zhur. ob. khim. 26 no.12: 3306-3309 D '56.

1. Leningradskiy gosudarstvennyy universitet.
(Vanadium oxides) (Isopropyl alcohol)

L 60207-65 EWT(m)/EPF(c)/T/EHP(j) PC-4/1-T-4 DS/11/14/68
ACCESSION NR: AT5019611

UR/0009/64/000/000/0139/0150

— 1 —
Yasliyev, A. A., Director

On May 10, 1941, the U.S. Fish and Wildlife Service issued a permit to the State Game Warden of Mississippi authorizing him to shoot one adult black bear in any area within the state.

Polymerizacija izoprena kompleksnymi katalizatorami na poliuretacheskogo kauchuka.

ABSTRACT: Polymerization of isoprene was studied at 20°C in the following solvents: butane, pentane, hexane, heptane, octane, isooctane, A complex of general formula

10 JUN 2004

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755720017-6

L 60207-65
ACCESSION #: AT5013611

of conversion of isoprene in various solvents decreased in the following sequence:
pentane, hexane, heptane, isooctane, benzene, toluene, xylene.

ASSOCIATION: none

SUBMITTED 24Oct64

SUR CODE: MT, CC

TYPE: -

DATE: -

CLASS: -

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755720017-6

CONFIDENTIAL

APPROVED FOR RELEASE: 07/16/2001

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APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755720017-6"

KOMAROV, V.A.; TIMOFEEVA, N.P.; MOROSHKINA, T.M.

Interaction of metal oxides with alcohols. Part 3. Manganese
oxides -- isopropyl and other alcohols. Zhur.ob.khim. 26 no.2:
393-398 F '56. (MLRA 9:8)

1. Leningradskiy gosudarstvennyy universitet.
(Manganese oxides) (Alcohols)

S/081/60/000/016/004/012
ACC6/A001

Translation from: Referativnyy zhurnal, Khimiya, 1960, No. 16, p. 87, # 64747

AUTHORS: Maydanovskaya, L.G., Karandasheva, R.A., Timofeyeva, N.S., Konstantinova, A.A., Vinckurtseva, I.M.

TITLE: Hydrogen Adsorption on Germanium

PERIODICAL: Uch. zac. Tomskiy un-t, 1959, No. 29, pp. 165-169

TEXT: The hydrogen adsorption on high-dispersion germanium powder was studied in a temperature range from -186 to +300°C within a range of initial pressure of 0.724 - 0.935 mm Hg; and at -186 to +100°C within a range of initial pressure of 0.194 - 0.178 mm Hg. Isobar curves indicate a minimum at -100°C and a maximum at -17°C. The course of the isobar curve obtained by Low (Lou) by other experimental methods and plotted by three experimental points, is confirmed and made more precise. The isobar curve is plotted on the basis of ten experimental points. The values of 1/n in Freundlich's equation are calculated, which vary with changing temperature from 0.59 to 0.81. The authors show the applicabil-

Card 1/2

Hydrogen Adsorption on Germanium

S/081/60/000/016/004/012
A006/A001

ity of the Roginskiy and Zel'dovich equation for kinetics of activated hydrogen adsorption on germanium at 200 and 300°C, excepted for the case when saturation is approached.

The authors' summary

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

TIMOFEEVA, N.V.

Micromorphological characteristics of the proprioceptive nerve endings of the skeletal muscles during the period of their regeneration. Nauch. trudy Kaz. gos. med. inst. 14:291-292 '64.
(MIRA 18:9)

1. Kafedra gistologii (zav. - prof. G.I.Zabusov) Kazanskogo meditsinskogo instituta.

BAYANDIN, P.A. (Murmansk); SHVETSOV, I.M.; TIMOFEYeva, N.V.; KOVAL', V.P.; KOZLOVA, E.Z.; TRET'YAKOV, N.I. (Kaliningrad); MAMEDOV, E.SH. (Poselok Martuni, AzerSSR); BOROVYY, Ye.M.; DULAYEV, S.G. (Grodno); GERASIMOV, B.A. (Lugansk); MEL'NIK, L.A. (Chernovtsy); MIGAL', L.A.; GUBANOV, A.G.; GOROVENKO, G.G. (Kiyev); SHAROV, B.K. (Chelyabinsk); SHUVALOVA, Z.A. (Sverdlovsk) NEYMARK, I.I.; ARYAYEV, L.N. (Odessa); KABANOV, A.N.; KONOVALOV, Yu.S.; ZAK, V.I. (Orenburg); MIKHAYLOV, M.M.; SEZ'KO, A.D. (Voronezh); SHALAYEV, M.I.; DONIN, V.I. (Saratow).

Abstracts. Grudn. khir. 5 no.3:110-126 My-Je'63 (MIRA 17:1)

1. Iz kafedry normal'noy anatomii Ryazanskogo meditsinskogo instituta imeni akademika I.P.Pavlova (for Shevtsov). 2. Iz Sochinskogo nauchno-issledovatel'skogo instituta kurortologii i fizioterapii Ministerstva zdravookhraneniya RSFSR (for Timofeyeva).
3. Iz khirurgicheskogo otdeleniya Termopol'skoy klinicheskoy gorodskoy bol'nitsy (for Koval'). 4. Iz kafedry topograficheskoy anatomii i operativnoy khirurgii (zav. - prof. A.P. Sokolov). Permskogo meditsinskogo instituta (for Kozlova). 5. Iz khirurgicheskogo otdeleniya (zav. - Ye. M. Borovyy) Rovenskoy oblastnoy bol'nitsy (glavnnyy vrach - UkrSSR V.M. Vel'skiy) (for Borovyy).

(Continued on next card)

BAYANDIN, P.A.--- (continued) Card 2.

6. Iz fakul'tetskoy khirurgicheskoy kliniki (dir. - prof. I.M. Popov'yan) i gospital'noy terapevticheskoy kliniki (dir. - prof. L.S. Shvarts) lechebnogo fakul'teta Saratovskogo meditsinskogo instituta (for Migal'). 7. Iz kafedry fakul'tetskoy khirurgii (zav. - prof. I.I. Neymark) Altayskogo meditsinskogo instituta (for Neymark). 8. Iz Novosibirskogo gorodskogo protivotuberkuleznogo dispansera (for Kabanov). 9. Iz kafedry fakul'tetskoy khirurgii (zav. - prof. I.A. Ivanov) Permskogo meditsinskogo instituta (for Shalayev).

FILIPPOV, A.P.; KANEVSKIY, Ye.A.; TIMOFEEVA, N.V.

Reaction of uranium dioxide with nitric acid in a sulfuric acid
solution. Zhur.prikl.khim. 38 no.3:658-660 Mr '65.

1. Submitted May 24, 1964.

(MIRA 18:11)

L 1690-66

ACCESSION NR: AR5018567

UR/0299/65/000/014/M015/M015

591.169

SOURCE: Ref. zh. Biologiya. Svodnyy tom, Abs. 14M113

AUTHOR: Timofeyeva, N. V.

18

B

TITLE: Micromorphological characteristics of proprioceptive terminal nerve structures in skeletal muscles during their regeneration

CITED SOURCE: Nauchn. tr. Kazansk. med. in-t, v. 14, 1964, 291-292

TOPIC TAGS: experiment animal, morphology, nervous system, muscle physiology

TRANSLATION: In rats, the sciatic nerve was cut in the upper third of the hip. After 10 days, the amount of glial substrate of the neuromuscular spindle of the incision increased, the terminal nerve endings were subject to profound histolytic changes, and cross striation of the muscles became less distinct. Restorative processes in the terminal sections of the receptors started only after 90 days. Processes involving the formation of very fine axial cylinders,

Card 1/2

L 1690-66
ACCESSION NR: AR5018567

growing from the side of the central cut in the nerve, took place.
Terminals appeared in the region of the spindle equatorial section
and extended far into the muscle tissue. N. S.

SUB CODE: LS

ENCL: 00

Card 2/2

SHIKHOVA, N.M., dotsent; TIMOFEEVA, N.V., mladshiy nauchnyy sotrudnik

Epileptiform syndrome in rheumatic fever. Vrach. delo no.7:
17-21 J1'63.
(MIRA 16:10)

1. Revmatologicheskaya klinika (zav. - dotsent N.M.Shikhova) i
nevrologicheskaya klinika (zav. - prof. K.F.Nikitin) Sochin-
skogo nauchno-issledovatel'skogo instituta kurortologii i fi-
zioterapii.

(EPILEPSY) (RHEUMATIC FEVER)

KHRISTOFERZEN, G.S.; TIMOFEEVA, N.V.

Technological and chemical characteristics of the Atlantic
sardine and causes of the deterioration of its quality
during industrial processing. Trudy Naukernika no.21:40-46
'63.
(MURA 17:8)

KANEVSKIY, Ye.A.; FILIPPOV, A.P.; TIMOFEEVA, N.V.;
Prinimal uchastie VEL'MATKIN, M.I.

Composition of gases produced in the interaction between
uranium dioxide and nitric acid. Atom. energ. 13 no.5:484-486
N '62. (MIRA 15:11)
(Nuclear reactions) (Uranium dioxide)
(Nitric acid)

VOSKRESENSKAYA, N.T.; TIMOFYEVA, N.V.; TOPKHANA, M.

Thallium in some minerals and rocks of sedimentary genesis.
Geokhimiia no.8:737-741 '62. (MIRA 15:9)

1. Kafedra geokhimii Moskovskogo gosudarstvennogo
universiteta imeni Lomonosova.
(Thallium)

ORZHESHKOVSKIY, V.V.; KARAPETYAN, V.S.; TIMOFEYeva, N.V.

Eye diseases in infectious nonspecific polyarthritis. Sov.med.
23 no.7:44-46 J1 '59. (MIRA 12:11)

1. Iz Sochinskogo nauchno-issledovatel'skogo instituta revmatizma
(dir. - prof. M.M. Shikhov) Ministerstva zdravookhraneniya RSFSR.
(EYE DISEASES complications)
(ARTHRITIS complications)

ORZHESHKOVSKIY, V.V., mladshiy nauchnyy sotrudnik; TIMOFEYEVA, N.V.,
mladshiy nauchnyy sotrudnik

Formaldehyde reaction and the viscosity of formalinized serum in
patients with infectious nonspecific polyarthritis. Vrach.delo
no.5:527 My '60. (MIRA 13:11)

1. Sochinskiy nauchno-issledovatel'skiy institut revmatizma.
(ARTHRITIS)
(FORMALDEHYDE)

Preparation of water glass from infusorial earth by the wet method P. K. Mital and G. A. Pandey, Kishore Kumar, 2 x 5 cm. The pure white infusorial earth, obtained from Bihar, India, is an uncoloured variety.

3.4 E2c

TIMOFEYeva, O. A. (Leningrad)

"Work on Burman-Russian Algorithm of Machine Translation."

Theses - Conference on Machine Translations, 15-21 May 1958, Moscow.

TIMOFEEVA, O. A.

26(2)

PHASE I BOOK EXPLOITATION

Sov/2146

Leningrad. Universitet

Materials po mashinnoi peredachi slov [Materials on Machine Translation]. Collection of Articles [M-1]. Leningrad, Izd-vo Leningradskogo universiteta, 1959. 228 p. 1,000 copies printed.

No contributors mentioned.

PURPOSE: The book is for students, scientists, and engineers interested in machine translation.

CONTENTS: This collection of 15 articles is published as volume I of the Materials on Machine Translation. It represents the work of 25 Soviet scientists at the Leningrad University Experimental Laboratory for Machine Translation which was created in March 1958 to continue research on translating with the aid of electronic machines. Although the present volume deals with both the theoretical and the practical aspect of machine translating, the emphasis is on the compilation of algorithms for a number of languages, many of them Asiatic. There are no references.

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AVAILABILITY: Library of Congress	(12)

Ond 4/4

9-15-58

TIMONEYEVA, O.A.

Colorimetric determination of aldehydes in aqueous alcohol solutions
and eluates after anion-exchanging bisulfite columns. Izv, AN Mold.
SSR no.10:45-50 '62. (MIRA 17:12)

LIPIS, B.V.; TIMOFEEVA, O.A.; SHCHELOKOVA, I.M.

Objective methods for determining the coloring of tomato paste.
Kons. i ov.prom. 18 no.10:33-35 0 '63. (MIRA 16:12)

1. Moldavskiy nauchno-issledovatel'skiy institut pishchevoy promshlennosti.

TIMOFEYeva, O. A.

Cand Chem Sci - (diss) "Adsorption of aliphatic alcohols of toluene solutions on silica gels." Kishinev, 1961. 14 pp; (Ministry of Higher and Secondary Specialist Education USSR, Committee of Higher and Secondary Specialist Education of the Council of Ministers Moldavian SSR, Kishinev State Univ); 180 copies; price not given; (KL, 7-61 sup, 223)

LYSTSOV, A.I.; PECHENIK, T.S.; TIMOFEYEV, O.I.

Dehydration of lower crystal hydrates of magnesium chloride in
a fluidized bed in a flow of hydrogen chloride. Tsvet. met.
38 no.1:62-66 Ja '65 (MIRA 18:2)

TIMOFEEVA, O.N.

Morphological study of the restoration of the motor innervation
of a replanted extremity in dogs. Trudy 1-go MMI 42:112-118 '65.
(MIRA 19:2)

1. Laboratoriya peresadki organov Tsentral'nogo instituta travma-
tologii i ortopedii.

AUTHOR: Timofeyeva, O. N.

TITLE: Morphological study of motor innervation restoration of grafted extremities of dogs

SOURCE: Ref. zh. Biologiya, Part II. Abs. 8M97

REF SOURCE: Tr. 1-go Mosk. med. in-ta, v. 42, 1965, 1/2-1/3

TOPIC TAGS: muscle physiology, dog, organ transplant, nervous system, motor innervation, innervation restoration

ABSTRACT: A study was made of the nerve elements of the muscles, cutis, and the sciatic nerve of grafted extremities of three dogs. The processes for restoring the motor innervation of each dog are described in detail. The clinical, physiological, and neurohistological data indicated that the use of grafting methods developed at the Laboratory of Organ Transplant of the Central Institute of Traumatology and orthopedics contributed to complete restoration of motor nerve ends in the muscles of the grafted extremities. [Translation of abstract]

SUB CODE: 06/

Card 1/1 6/20

UDC: 577.99+591.169

TIMOFEEVA, O.N.

Smooth musculature of the human pulmonary pleura. Zdrav. Bel. 9
no.6:47-49 Je '63. (MIRA 17:5)

1. Iz kafedry histologii i embriologii (zaveduyushchiy - doktor
meditsinskikh nauk V.N. Blyumkin) Vitebskogo meditsinskogo instituta
(rektor - prof. G.A. Medvedeva).

SOKOLOVA, T.Ye., inzh.; TIMOFEEVA, O.G., inzh.

Strengthening particle boards. Stroi. mat. 5 no.10:35-36 0 '59.
(Wood, Compressed) (MIRA 13:2)

POPOV, K.A., professor; NIKIFOROV, Yu.N., inzhener, laureat Stalinskoy premii; TIMOFEEVA, O.G.

Investigation of a method of deep impregnation of wooden boards by means of a preliminary injection. Trudy TSNIS MPS no.9:154-164 '53.
(Wood--Preservation)
(MLRA 8:1)

TIMOFEEVA, Ol'ga Nikolayevna; EL'TERMAN, Yevgeniy Mikhaylovich;
IOFINOV, German Abramovich; AVER'YANOV, A.G., spetsred.;
DENISOVA, I.S., red.; KOROBOVA, N.D., tekhn.red.

[Local exhaust ventilation in electric welding shops]
Mestnaia vytiazhnaiia ventiliatsiia pri elektrosvarochnykh
rabitakh. Moskva, Prezdat, 1961. 139 p. (MIRA 15:5)
(Electric welding—Safety measures)
(Factories—Heating and ventilation)

1957 E/2 v. 1
SADOVSKAYA, N.N.; TIMOFEEVA, O.N.; POLYUSHKIN, V., inzhener, redaktor;
KOPELEVICH, V., redaktor; STUDNETSKAYA, V.A., tekhnicheskii
redaktor

[Ventilation of a ship's engine and boiler rooms; basic calculations,
designs, construction, and operation] Ventiliatsiya sudovykh mashin-
nykh i kotel'nykh otdelenii; osnovy rascheta, proektirovaniia,
ustroistva i ekspluatatsii. Moskva, Gos. izd-vo vodnogo transp.,
1953. 289 p.

(MIRA 7:9)

(Ships--Heating and ventilation)

TIMOFEYEVA, O.N., kand.tekhn.nauk

Ventilation during oxygen and arc cutting of high-manganese
steel, aluminum, and titanium alloys. Svar. proizv. no.12:40-42
D '62. (MIRA 15:12)

1. Leningradskiy nauchno-issledovatel'skiy institut okhrany
truda.

(Gas welding and cutting--Hygienic aspects)
(Electric metal cutting--Hygienic aspects)

TIMOFEEVA, O.N., kand.tekhn.nauk

Planning a ventilation system during welding and cutting of
aluminum-magnesium alloys. Sudostroenie 28 no.5:49-51 My '63.
(MIRA 15:7)
(Shipbuilding--Safety measures) (Electric metal cutting)

MIGAY, Konstantin Vasil'yevich, kand. med. nauk; TIMOFEYEVA,
Ol'ga Nikolayevna, kand. tekhn. nauk; YUSHTIN, Yevgeniy
Ivanovich, inzh.; DROZDOV, D.F., inzh., retsenzent;
ABRAMOVICH, V.R., inzh., retsenzent; OSINKIN, Ya.M.,
nauchn. red.; SOSIPATROV, O.A., red.

[Safety measures during electric welding operations in
shipbuilding] Tekhnika bezopasnosti pri elektrosvarochnykh
rabotakh v sudostroenii. Leningrad, Izd-vo "Sudostroenie," 1964. 59 p.
(MIRA 17:5)

TIMFEYEVA, O. P.

PA 163T43

USSR/Medicine - Penicillin Therapy
Pleurisy, Purulent

Jan/Feb 50

"Analysis of the Effectiveness of Penicillin Therapy on Septic and Septicotoxic Conditions in Infants," O. P. Timfeyeva, Chair of Faculty Pediatrics, Leningrad State Pediatrics Med Inst

"Vop Ped I Okhran Mater i Det" No 1, pp 15-22

Cites case histories and discusses results of various methods of penicillin therapy for different types of septic conditions, otoarthritis, and purulent pleurisy in infants. Significantly

163T43

USSR/Medicine - Penicillin Therapy Jan/Feb 50
(Contd)

favorable results obtained in each group of cases finds most effective therapy in purulent pleurisy to be simultaneous intramuscular and intrapleural administration of penicillin, together with blood transfusion. Chief, Chair of Faculty Pediatrics: Prof M. S. Maslov, Active Mem, Acad Med Sci USSR.

163T43

TIMOFYEVA , O. P.

USSR/Medicine-Meningitis
Penicillin Therapy

Jan/Feb 50

"Problem of the Treatment of Pneumococcic Meningitis in Children," G. G. Makovskaya, O. P. Timofeyeva, D. N. Popova, Chair of Faculty and "osp Pediatrics, Chair of New Diseases, Leningrad State Pediatric Med Inst

"Vop Ped i Okhran Mater i Det" No 1, pp 28-32

Tabulates and discusses treatment of 16 cases of usually fatal pneumococcic meningitis which resulted in recovery in 11 cases. Treatment involved intramuscular or endolumbar injection of penicillin in combination with sulfamide therapy and blood transfusions. Intramuscular injections required 20,000-30,000 units per day for 30-40 days, endolumbar injections of not less than 20,000-30,000 units per day for 2-3 weeks. Suboccipital injections found quickly effective where endolumbar injections showed no results.

PA 163T45

MASLOV, M.S.; TIMOFEEVA, O.P.

Etiopathogenic treatment of toxic dispesias with differentiated salt
solution and syntomycin. Vopr. pediat. 20 no. 3:18-27 May-June 1952.
(CLML 22:4)

1. Honored Worker in Science, Professor, Active Member AMS USSR for
Maslov; Honored Physician RSFSR for Timofeyeva. 2. Of the Department
of Faculty Pediatrics Leningrad Pediatric Medical Institute.

KOVALEVSKAYA, I.L.; EPSHTEYN-LITVAK, R.V.; DMITRIYEVA-RAVIKOVICH, Ye.M.;
KURNOSOVA, N.A.; SHCHEGLOVA, Ye.S.; FERDINAND, Ya.M.;
KHOMIK, S.R.; MAKHLINOVSKIY, L.P.; PETROVA, S.S.;
GOLUBOVA, Ye.Ye.; GONCHAROVA, Z.I.; SARMANEYEV, A.P.;
SIZINTSEVA, V.P.; Prinimali uchastiye: MEDYUKHA, G.A.;
OSOKINA, L.A.; RACHKOVSKAYA, Yu.K.; OSOVTSHEVA, O.I.;
DEDUSENKO, A.I.; KOVALEVA, P.S.; KARASHEVICH, V.P.;
CHEBOTAREVICH, N.D.; CHIGIR', T.R.; SKUL'SKAYA, S.D.;
KECHETZHIYEV, B.A.; DEMINA, A.S.; ZUS'MAN, R.T.; YESAKOV, P.I.;
SYSOYEVA, Z.A.; ZINOV'YEVA, I.S.; FAL'CHEVSKAYA, A.A.;
DENISOVA, B.D.; TIMOFEEVA, R.G.; SYRKASOVA, A.V.;
LYANTS'MAN, S.G.

Reactivity and immunological and epidemiological effectiveness
of alcoholic typhoid and paratyphoid fever vaccines in school
children. Zhur. mikrobiol., epid. i immun. 33 no.7:72-77
(MIRA 17:1)
Jl '62.

1. Iz Moskovskogo, Rostovskogo, Omskogo institutov epidemiologii i mikrobiologii, Stavropol'skogo instituta vaktsin i syvorotok i Ministerstva zdravookhraneniya RSFSR. 2. Rostovskiy institut epidemiologii i mikrobiologii (for Kovaleva).
3. Stavropol'skiy institut vaktsin i syvorotok (for Sysoyeva).
4. Kuybyshevskiy institut epidemiologii i mikrobiologii (for Zinov'yeva). 5. Saratovskaya gorodskaya sanitarno-epidemiologicheskaya stantsiya (for Lyantsman).

DGBROKHOTOV, A.A., inzh.; PANCHENKO, A.G., inzh.; SAVEL'YEV, D.N., inzh.;
KOPLENKO, Ye.A., inzh.; BRYUNETKIN, M.G., inzh.; KRAVTSOV, N.F., inzh.;
TIMOFEEVA, R.G., inzh.

Improving the performance of open-hearth furnaces. Stal' 23 no.4:
304-308 Ap '63. (MIRA 16:4)
(Open-hearth furnaces)

NIKONOV, A.G.; KHOKHOVA, A.M.; BICHUL¹, K.G.; TIMOFEEVA, R.I.

Cholera bacteriophage. Zhur.mikrobiol.epid. i imun. 30 no.1:90-96
(MIRA 12:3)
Ja '58.

1. Iz Rostovskogo-na-Donu nauchno-issledovatel'skogo protivochum-
nogo instituta Ministerstva zdravookhraneniya SSSR.

(VIBRIO COMMA,

bacteriophage (Rus))

(BACTERIOPHAGE,

of Vibrio comma (Rus))

PAVLOV, D.I.; TIMOFEEVA, R.L.

Possible participation of halogens in the formation of endogenous
iron ore deposits; chlorine containing biotite. Geol.rud.mestorozh.
(MIRA 15:6)
no.3:125-127 My-Je '62.

1. Institut geologii rudnykh mestorozhdeniy, petrografii,
mineralogii i geokhimii AN SSSR, Moskva.
(Halogens) (Iron ores) (Biotite)

TIMOFEEYEVA, R.M.

USSR/General Division - Problems of Teaching.

A-7

Abs Jour : Ref Zhur - Biologiya, No 7, 10 April 1957, 25787

Author : Timofeyeva, R.M.

Inst :

Title : The Study of Certain Agricultural Problems in the Botany Course (VIth Grade)

Orig Pub : Yestestvozn. v shkole, 1954, No 4, 58-64

Abst : In view of the decisions of the September and February-March plenary sessions of the Central Committee CPSU concerning the radical improvement of farming in our country, a detailed program is presented for studies on the topic of "Conditions of growth of cultivated plants", which provides for practical work by students in school testing grounds and for field trips to kolkhozes and sovkhozes.

Card 1/1

TIMOFEEVA, R.M.

Lessons on the study of apple trees. Est. v shkole no.5:40-44
S-0 '54. (MLRA 7:9)

1. Uchitel'nitsa shkoly No. 5 g. Zagorska Moskovskoy oblasti.
(Apple)

TIMOFEEVA, R.M., uchitel' nitsa biologii.

Lessons on the subject of "plant reproduction." Est. v shkole no. 6:50-57 '53.
(MIRA 6:10)

1. Shkola no.5 g. Zagorska Moskovskoy oblasti. (Plants--Reproduction)

TIMOFYEVA, R.M.

Studying certain agricultural problems in a botany class. Est.
v shkole no.4:58-64 Jl-Ag '54. (MLRA 7:8)

1. Uchitel'nitsa shkoly no.5 g. Zagorska Moskovskoy oblasti.
(Agriculture--Study and teaching)

TIMOFEYeva, R. M.

Botany - Study and Teaching.

Lessons on the theme "plants in nature and agriculture." R. M. Timofeyeva.
Est. v shkole no. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1953? Uncl.

TELMOFLIEVA, R.M.

Botany-Study and Teaching

Formation of the concept of Michurin biology through the study of the theme, "The root. Nourishment of the plant from the soil." Est. v shkole no. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, ^{Received 1952} ~~1952~~. Unclassified.

TIMOFEEVA, N. M.

Biology - Study and Teaching

Excursion to a state poultry farm. Est. v shkole No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

TIMOFYEVA, R.M.

Practical work on the subject "Stem; motion and deposition of substances in plants." Biol.v shkole no.1:20-25 Ja-F '57. (MLRA 10:5)

1.Uchitel'nitsa sredney shkoly No. 5 goroda Zagorska, Moskovskoy oblasti.

(Botany--Study and teaching)

TIMOFEYVA, R. M.

Botany-Study and Teaching

Lessons on the theme "plants in nature and agriculture." R. M. Timofeyeva. Est. v shkole No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1953/2 Uncl.

TIMOFEEVA, A. N.

Poultry

Excursion to a state poultry farm. Mat. v shkole No. 2, 1950.

Monthly List of Russian Acquisitions, Library of Congress, June 1950. Uncl.

VILENSKIY, Yu.B.; TIMOFEEVA, R.V.

Method for investigating the diffusion of optical sensitizers
in the photographic layers. Usp. nauch. fot. 8:56-60 '62.
(MIRA 17:7)

LYUBICH, M.S.; SYTNIK, Z.P.; TIMOFEYVA, R.V.

Polymerocyanines. Part 1: Dimerocyanines with different nitrogen-containing heterocyclic residues. Zhur.ob.khim. 33 no.12:3979-3985
D '63. (MIRA 17:3)

S/053/63/000/003/043/104
A062/A101

AUTHORS: Vilenskiy, Yu. B., Timofeyeva, R. V.

TITLE: A method for investigating the diffusion of optical sensitizers in photographic layers

PERIODICAL: Referativnyy zhurnal, Fizika, no. 3, 1963, 86, abstract 3D582.
("Uspekhi nauchn. fotogr.", 1962, v. 8, 56 - 60)

TEXT: In connection with some technological problems of preparing multi-layer color photography materials, a method was worked out for investigating the diffusion of optical sensitizers (O.S.) from one emulsion layer into another. The O.S. is introduced into a layer ("donor") onto which another layer ("acceptor") containing no O.S. is rolled. After a certain time of contacting, the acceptor layer is submitted to sensitometric testing behind a yellow filter for determining the so-called photographic diffusion criterion (P.D.C.), i.e. $\lg(S/S_0)$ (S - sensitivity; the index 0 relates to the sample that was in contact with the layer having no O.S.). There was investigated the dependence of the P.D.C. of an acceptor layer of AgBr(J) emulsions on the concentration of

Card 1/2

A method for investigating the...

S/058/63/000/003/043/104
A062/A101

the O.S. in the donor layer upon achievement of diffusion equilibrium for cases in which the donor layer is a gelatine or an identical emulsion. In the latter case the complex shape of the dependence of the P.D.C. on the concentration is confronted with the formation and disappearance of various aggregate forms of O.S. and the corresponding absorption bands (H, M, J) as the concentration increases. As far as each of these aggregates differs by the mobility and the coefficient of diffusion in the gelatine, the general dependence of the P.D.C. on the concentration of the O.S. appears also to be a superposition of a series of dependences for separate aggregate forms of the O.S.

A. Kartuzhanskiy

[Abstracter's note: Complete translation]

Card 2/2

L 40397-65 ENT(1)/T/EED(b)-3 Pae-2 IJP(c)

ACCESSION NR: AP5008230

5/02 26/65/000/005/0103/0104

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TITLE: A method for sensitizing silver halide photographic materials. Class 17.

TOPIC PAGE: photochemistry, photographic chemistry, photography, sensitivity increase, silver compound

ABSTRACT: This Author Certificate presents a method for sensitizing silver

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NO RET. SOC: 000

OTHER: 000

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Concentration of organic carbon in waters of the northeastern part of the Atlantic Ocean. Dokl.AN SSSR 133 no.3:677-679 Jl '60.
(MIRA 13:7)

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